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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Gell, et al.

Serial No.: 10/755,856

Filing Date: January 12, 2004

For: COATINGS, MATERIALS, ARTICLES, AND METHODS)
OF MAKING THEREOF



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) Group Art Unit: 1762
)
) Examiner:
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Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§ 1.56, 1.97 AND 1.98

Sir:

In compliance with the duty to disclose, submitted herewith is form PTO-A820 (PTO-1449) listing publication(s) of which those designated by 37 CFR § 1.56 are aware. Copies of the non-United States patents or published applications are enclosed.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made, or an admission that the information cited is, or is considered to be, material to patentability.

Respectfully submitted,

CANTOR COLBURN LLP

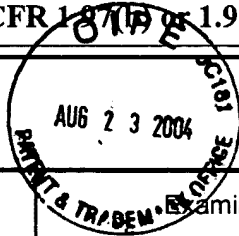
By: Patricia S. DeSimone
Patricia S. DeSimone
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Date: August 19, 2004
Customer No.: 23413
Telephone: (860) 286-2929

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
UCT-0040

In Re Application Of: Gell, et al.



Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/755,856	January 12, 2004	NYA	23413	1762	8424

Title: COATINGS, MATERIALS, ARTICLES, AND METHODS OF MAKING THEREOF

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37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

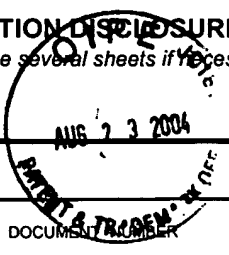
2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR**
- ☐ the fee set forth in 37 CFR 1.17(p).

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c))				Docket No. UCT-0040	
In Re Application: Gell, et al.					
Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/755,856	January 12, 2004	NYA	23413	1762	8424
Title: COATINGS, MATERIALS, ARTICLES, AND METHODS OF MAKING THEREOF					
<div style="text-align: center;"> Payment of Fee (Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p)) </div> <p> <input type="checkbox"/> A check in the amount of _____ is attached. </p> <p> <input checked="" type="checkbox"/> The Director is hereby authorized to charge and credit Deposit Account No. 06-1130 as described below. </p> <div style="margin-left: 40px;"> <input type="checkbox"/> Charge the amount of _____ </div> <div style="margin-left: 40px;"> <input checked="" type="checkbox"/> Credit any overpayment. </div> <div style="margin-left: 40px;"> <input checked="" type="checkbox"/> Charge any additional fee required. </div> <p> <input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached. </p> <p> WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. </p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p style="text-align: center;">Certificate of Transmission by Facsimile*</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. _____) </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> _____ (Date) </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> _____ Signature </div> <div style="border: 1px solid black; padding: 5px;"> _____ Typed or Printed Name of Person Signing Certificate </div> </div> <div style="width: 45%;"> <p style="text-align: center;">Certificate of Mailing by First Class Mail</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> _____ (Date) </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> Signature of Person Mailing Correspondence </div> <div style="border: 1px solid black; padding: 5px;"> Tracy A. Axiak Typed or Printed Name of Person Mailing Certificate </div> </div> </div>					
<p> *This certificate may only be used if paying by deposit account. </p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> Signature </div> <div style="width: 45%;"> Dated: August 19, 2004 </div> </div> <p> Patricia S. DeSimone Registration No. 48,137 Customer No. 23413 Phone No. (860) 286-2929 </p> <p style="margin-top: 20px;">CC:</p>					

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO.		APPLICATION NO.		
				UCT-0040		10/755,856		
				APPLICANT(S)				
				Gell, et al.				
FILING DATE				GROUP ART UNIT				
January 12, 2004				1762				
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
		4,377,371	3/22/1983	Wisander, et al.	415	174	3/11/1981	
		5,032,568	7/16/1991	Lau, et al.	505	1	9/1/1989	
		5,073,433	12/17/1991	Taylor,	428	134	10/20/1989	
		5,304,519	4/19/1994	Jackson, et al.	501	103	10/28/1992	
		5,418,015	5/23/1995	Jackson, et al.	427	452	3/28/1994	
U.S. PATENT APPLICATION PUBLICATIONS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		UK2100621	11.06.1981	United Kingdom				
		WO 97/05994	20.02.1997	PCT				
		WO 00/00660	06.01.00	PCT				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
		Arellano-Lopez, "Microstructural Characterization of Small-Particle Plasma Spray Coatings". J. Am. Ceram. Soc, 82 (8) 2204-2208 (1999)						
		Bouyer, et al. "Characterization of SiC and Si3N4 coatings synthesized by means of inductive thermal plasma from disilane precursors". Applied Organometallic Chemistry. Appl. Organometal. Chem. 2001; 15: 833-840						
EXAMINER				DATE CONSIDERED				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	Gell, et al.	
	FILING January 12, 2004	GROUP ART 1762



U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,421,895	6/6/1995	Tsubouchi, et al.	118	726	12/22/1992
		5,520,516	5/28/1996	Taylor, et al.	416	241	9/16/1994
		5,609,921	3/11/1997	Gitzhofer, et al.	427	446	8/26/1994
		5,620,524	4/15/1997	Fan, et al.	118	726	2/27/1995
		5,743,013	4/28/1998	Taylor, et al.	29	889.7	2/5/1996

U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
			Delbos, et al. "Plasma Spray Elaboration of Finely Structured YSZ Thin Coating by Liquid Suspension Injection". Thermal Spray 2003: Advancing the Science & Applying the Technology, (Ed.) C. Moreau and B. Marple, Published by ASM International, Materials Park, Ohio, USA, 2003. pp 661-669
			Devi, et al. "Comparison of citrate-nitrate gel combustion and precursor plasma spray processes for the synthesis of yttrium aluminum garnet". J. Mater. Res., Vol. 17, No. 11, Nov. 2002. pp 2846-2851

EXAMINER	DATE CONSIDERED
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		5,744,777	4/28/1998	Bernecki, et al.	219	121.47	5/31/1996	
		5,858,470	1/12/1999	Bernecki, et al.	427	453	8/1/1997	
		5,876,683	3/2/1999	Glumac, et al.	423	325	11/2/1995	
		6,025,034	2/15/2000	Strutt, et al.	427	450	2/5/1998	
		6,132,653	10/17/2000	Hunt, et al.	264	5	4/16/1999	
U.S. PATENT APPLICATION PUBLICATIONS								
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
			Davi, et al. "Single-step deposition of Eu-doped Y2O3 phosphor coatings through a precursor plasma spraying technique". J. Mater. Res., Vol 17, No. 11, Nov. 2002. pp. 2771-2774					
			Karthikeyan, et al. "Preparation of Nanophase Materials by Thermal Spray Processing of Liquid Precursors". NanoStructured Materials, Vol. 9, pp. 137-140. 1997					
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		6,195,504	2/27/2001	Horie, et al.	392	394	11/19/1997	
		6,277,448	8/21/2001	Strutt, et al.	427	452	6/4/1999	
		6,432,487	8/13/2002	Graham, et al.	427	454	12/28/2000	
		4,447,848	09/10/2002	Chow, et al.	427	446	6/30/1998	
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
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			Karthikeyan, et al. "nanomaterial Deposits Formed by DC Plasma Spraying of Liquid Feedstocks". J. Am. Ceram. Soc., 81 (1) 121-128 (1998)					
			Karthikeyan, et al. "Nanomaterial Powders and Deposits Prepared by Flame Spray Processing of Liquid Precursors". NanoStructured Materials, Vol. 8. No. 1, pp. 61-74, 1997					
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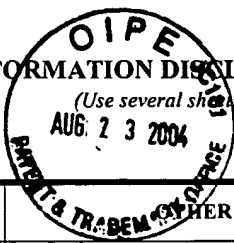
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
			Ma, et al. "Intermediate Temperature SOFC Based on Fully Integrated Plasma Sprayed Components". 6 pages				
			Ma, et al. "Study of Unique Microstructure in SPS Ceramic NanoCoatings". 6 pages				
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AUG. 2 3 2004



Docket Number (Optional)

UCT-0040

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Group Art Unit

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INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Padture, et al. "Towards Durable Thermal Barrier Coatings with Novel Microstructures Deposited by Solution-Precursor Plasma Spray". Acta mater. 49 (2001) 2251-2257

Su, et al. "In Situ Characterization of Small-Particle Plasma Sprayed Powders". Journal of Thermal Spray Technology Vol. 11 (1) March 2002 pp 52-61

Parukuttyamma, et al. "Yttrium Aluminum Garnet (YAG) Films through a Precursor Plasma Spraying Technique". J. Am. Ceram. Soc., 84 (8) 1906-1908 (2001)

Tikkanen, et al. "Characteristics of the liquid flame spray process". Surface and Coatings Technology 90 (1997) 210-216

Schlichting, "Failure Modes in Plasma-Sprayed Thermal Barrier Coatings" University of Connecticut, (2000) 186 pages

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